INDEX TO VOLUME XXV

The asterisk * preceding the page number indicates an original article in this Journal. The letter T preceding the page number indicates a paper reported in the Transactions of the American Association of Neuropathologists. The letter D preceding the page number indicates a discussion of an original article or some other item published in the Journal. The letter B preceding the page number indicates a book review. Subject entries are made for all articles. Author entries are made for original articles and Society Transactions.

Abnormal neocortical presynaptic terminals; mental retardation, cortical blindness and convulsions associated with, T144
Acute elevations of blood pressure, microscopic observations of pial vessels during, T125
— hemorrhagic leukoencephalopathy following cat scratch disease, T121
— myoglobinuria, fine structure changes in muscle biopsies from patients with, T148
Adachi, M., and I. Feigin, cerebral edema and the normal water content of white matter, T153
—, B. J. Wallace, L. Schneck, and B. W. Volk, fine structure of spongy degeneration of the central nervous system (van Bogaert and Bertrand type), *598
Adams, R. D., see Appenzeller, O., T164
Aguilar, M. J., D. L. Chadwick, K. Ohuyama, and S. Kamoshita, kinky hair disease. I. clinical and pathological features, *507
Aleu, F., D146, D149, D153, D155
—, D. Argyros, and L. Thomas, the neuropathology of an experimental mycoplasmosis in mice, T126, D127
Alvord, E. C., Jr., presidential address, the relationship of hypersensitivity to infection, inflammation and immunity, *1
—, D117, D118, D121, D122, D127, D155, D161, D163, D166, D167
Ammon's horn, the histochemical architecture of, as related to its selective vulnerability, T133
Amyloid of the nervous system, T128
Anderson, P. J., and S. K. Song, skeletal muscle necrosis secondary to calvacin, T149, D149
Appenzeller, O., B. G. Arnason, and R. D. Adams, experimental autonomic neuritis, T164, D165
Argyros, D., see Aleu, F., T126
Armstrong, D., see Austin, J., T139
Arnason, B. G., D161
—, see Appenzeller, O., T164
Arnold-Chiari malformation, the role of traction in the development of, an experimental study, *654
Astrocytes, blastomatous, behavior of, in the human cerebral white matter, T173
Austin, J., D132, D161, D163
—, D. Armstrong, and M. Bischel, patterns of sulphatase deficiency in 4 patients with metachromatic leukodystrophy (MLD): histochemical and biochemical correlations, T139, D140
Autonomic neuritis, experimental, T164

Bakay, L., see Lee, J. C., T156
Balthasar, R., cancer metastasis in superior and inferior internuclear ophthalmoplegia, T171
Barbiturate intoxication, the neuropathology of, *237
Barker, M., see Wilson, C., T156
Barlow, C. F., D151, D162
Barron, K. D., see Mayo, G. M., T172
—, P. F. Doolin, and J. B. Oldershaw, cytochemistry and fine structure of retrograde neuronal degeneration, T135, D135
—, J. B. Oldershaw, and J. Bernsohn, hydrolase cytochemistry of retrograde neuronal degeneration in feline lateral geniculate body, with observations on the identification of multiple forms of neural hydrolases having overlapping substrate affinities, *443
Basilar artery, fine structure of the, T172
Behavior of blastomatous astrocytes in the human cerebral white matter, T173
Berlin, L., D163
Bernsohn, J., see Barron, K. D., *443
Biochemical and cytochemical studies of neutral red uptake into brain, T172
Biopsy study in 3 cases of metachromatic leukodystrophy, T141
Bischel, M., see Austin, J., T139
Böhme, D., J. M. Lee, H. A. Schneider, and M. Wachstein, the response of the reticuloendothelial system of inbred resistant and susceptible mice in the pathogenesis of allergic encephalomyclitis, *311
Book, M. H., see Moore, M. T., T117, *269
Book reviews, B175, B176, B505, B674
Bornstein, M. B., and S. M. Crain, structural and functional alterations in cultured mammalian CNS tissue as related to the demyelinative disorders, T163, D164
Brain permeability, ion transfer and

INDEX TO VOLUME XXV

The asterisk * preceding the page number indicates an original article in this Journal. The letter T preceding the page number indicates a paper reported in the Transactions of the American Association of Neuropathologists. The letter D preceding the page number indicates a discussion of an original article or some other item published in the Journal. The letter B preceding the page number indicates a book review. Subject entries are made for all articles. Author entries are made for original articles and Society Transactions.

Abnormal neocortical presynaptic terminals; mental retardation, cortical blindness and convulsions associated with, T144
Acute elevations of blood pressure, microscopic observations of pial vessels during, T125
— hemorrhagic leukoencephalopathy following cat scratch disease, T121
— myoglobinuria, fine structure changes in muscle biopsies from patients with, T148
Adachi, M., and I. Feigin, cerebral edema and the normal water content of white matter, T153
—, B. J. Wallace, L. Schneck, and B. W. Volk, fine structure of spongy degeneration of the central nervous system (van Bogaert and Bertrand type), *598
Adams, R. D., see Appenzeller, O., T164
Aguilar, M. J., D. L. Chadwick, K. Ohuyama, and S. Kamoshita, kinky hair disease. I. clinical and pathological features, *507
Aleu, F., D146, D149, D153, D155
—, D. Argyros, and L. Thomas, the neuropathology of an experimental mycoplasmosis in mice, T126, D127
Alvord, E. C., Jr., presidential address, the relationship of hypersensitivity to infection, inflammation and immunity, *1
—, D117, D118, D121, D122, D127, D155, D161, D163, D166, D167
Ammon's horn, the histochemical architecture of, as related to its selective vulnerability, T133
Amyloid of the nervous system, T128
Anderson, P. J., and S. K. Song, skeletal muscle necrosis secondary to calvacin, T149, D149
Appenzeller, O., B. G. Arnason, and R. D. Adams, experimental autonomic neuritis, T164, D165
Argyros, D., see Aleu, F., T126
Armstrong, D., see Austin, J., T139
Arnason, B. G., D161
—, see Appenzeller, O., T164
Arnold-Chiari malformation, the role of traction in the development of, an experimental study, *654
Astrocytes, blastomatous, behavior of, in the human cerebral white matter, T173
Austin, J., D132, D161, D163
—, D. Armstrong, and M. Bischel, patterns of sulphatase deficiency in 4 patients with metachromatic leukodystrophy (MLD): histochemical and biochemical correlations, T139, D140
Autonomic neuritis, experimental, T164

Bakay, L., see Lee, J. C., T156
Balthasar, R., cancer metastasis in superior and inferior internuclear ophthalmoplegia, T171
Barbiturate intoxication, the neuropathology of, *237
Barker, M., see Wilson, C., T156
Barlow, C. F., D151, D162
Barron, K. D., see Mayo, G. M., T172
—, P. F. Doolin, and J. B. Oldershaw, cytochemistry and fine structure of retrograde neuronal degeneration, T135, D135
—, J. B. Oldershaw, and J. Bernsohn, hydrolase cytochemistry of retrograde neuronal degeneration in feline lateral geniculate body, with observations on the identification of multiple forms of neural hydrolases having overlapping substrate affinities, *443
Basilar artery, fine structure of the, T172
Behavior of blastomatous astrocytes in the human cerebral white matter, T173
Berlin, L., D163
Bernsohn, J., see Barron, K. D., *443
Biochemical and cytochemical studies of neutral red uptake into brain, T172
Biopsy study in 3 cases of metachromatic leukodystrophy, T141
Bischel, M., see Austin, J., T139
Böhme, D., J. M. Lee, H. A. Schneider, and M. Wachstein, the response of the reticuloendothelial system of inbred resistant and susceptible mice in the pathogenesis of allergic encephalomyclitis, *311
Book, M. H., see Moore, M. T., T117, *269
Book reviews, B175, B176, B505, B674
Bornstein, M. B., and S. M. Crain, structural and functional alterations in cultured mammalian CNS tissue as related to the demyelinative disorders, T163, D164
Brain permeability, ion transfer and

"spaces" in experimental myxedema and thyrotoxicosis, T151
Brains of aged mice, fine structural alterations in, T145
Brandt, R. A., see Slager, U. T., *237
Broun, G. O., Jr., see Nelson, J. S., *489
Buey, P. C., see Siqueira, E. B., *667

Cammermeyer, J., reaction of mast cells identified in the rabbit brain, T130
—, D118, D123, D124, D127, D130, D132, D134, D139, D152, D154, D161, D171
Cancer metastasis in superior and inferior internuclear ophthalmoplegia, T171
Capillary alterations in childhood diseases of the brain, T171
Carleton, J. H., D132
Carmel, P., see Schotland, D. L., T146
—, see Schotland, D. L., *431
Central nervous system, tumors of, in monolayer tissue culture, T156
Cerebellum of children with lipidoses, fine structural localization of two hydrolytic enzymes in the, *76
Cerebral edema after Laser radiation: an electron microscopic study, T152, D153, *531
— edema, human perifocal, electron microscopic observations on, T156
— edema and the normal water content of white matter, T153
— hypoxic damage in the human fetus in the prenatal period, T122
— infarction in the human fetus near term, *479
— neuroblastoma with unusual fibrous tissue reaction, *328
— segmental nodular phlebitis, T117, *269
Cerebrospinal fluid pathways in sharks, observations on behaviour of the blood-brain barrier and the, T153
Chadwick, D. L., see Aguilar, M. J., *507
Chemical basis for the staining of myelin sheaths by luxol fast blue techniques, T169
Chemical studies on Jakob-Creutzfeldt disease, *396
Chen, G., see Suzuki, I., *396
Childhood diseases of the brain, capillary alterations in, T171
Chondroma arising within a mixed glioma, *667
Chronic peripheral neuropathy produced by lead poisoning in guinea-pigs, *214
Clasen, R. A., D155
—, S. Pandolfi, I. R. Laing, and R. M. Lycette, a chemical basis for the staining of myelin sheaths by luxol fast blue techniques, T169, D170
Cockayne's syndrome, neuropathology of, T118
Cohn, R., see Neumann, M. A., T121
Cole, M., D155
Comparative effect of triethyl tin sulfate on the optic nerve and peripheral nerves in rabbit, T154
Congenital biliary atresia, neuroaxonal dystrophy in, T118, *341
Cortical degeneration associated with myeloma and dementia, *489
Crain, S. M., see Bornstein, M. B., T163
Cravioto, H., the mesenchymal components of peripheral nerves, an electron microscopic study, T157, D157
—, D131, D141, D158, D171
Cryptococcal polysaccharide implantation, reaction of ependyma to, T152
Cytochemistry and fine structure of retrograde neuronal degeneration, T135

Davis, M., see Nathanson, N., T122
Dawson, D. M., see Romanul, F. C. A., T147
Degeneration, striato-nigral, T172
Dementia, a rare form of slowly progressive "presenile", T121
Denervated skeletal muscle, histochemical and quantitative studies of enzymes in, T147
Deza, L., see Silberman, J., T121
DiVita, G., see Treip, C. S., *296
Donahue, S., and W. Zeman, capillary alterations in childhood diseases of the brain, T171
Donnenfeld, H., see Rosenblum, W. I., T125
Doolin, P. F., see Barron, K. D., T135
Dupont, J. R., D137
—, and K. M. Earle, human rabies encephalitis: a review of 59 fatal cases, T123, D124
Dustin, P., see Grégoire, A., *617

Earle, K. M., see Dupont, J. R., T123
—, see Lampert, P. W., T152, *531
Early enzyme histochemical changes following transection of dorsal spinal funiculi, T136
Edström, J.-E., see Slagel, D. E., *244
Effect of iminodipropionitrile on the ribonucleic acid content and composition of mesencephalic V cells, anterior horn cells, glial cells, and axonal balloons, *244
Electron microscopic observations of early changes in the mouse brain following goldthioglucose-treatment, T137
— microscopic study, cerebral edema after Laser radiation, T152, D153, *531
— microscopic observations on human perifocal cerebral edema, T156
— microscopy of the tumor cells in "neurofibromas", T158
Encephalitis, human rabies; a review of 59 fatal cases, T123
Encephalomyelitis, experimental allergic, further electron microscopic observations on the mechanism of demyelination in, T162
— hyperacute allergic: an experimental model for acute necrotizing hemorrhagic encephalopathy, T160
Epidermoid cysts of the spinal cord, a spontaneous disease of rats, *498
Experimental autonomic neuritis, T164
— brain concussion: the early effect of sudden increase in intracranial pressure on

the succinoxidase activity of isolated neurons and glial cells from the lateral vestibular nucleus of the rabbit, *68
— study of thiamine deficiency in nervous tissue culture technics, *362

Feigin, I., see Adachi, M., T153
—, and N. Popoff, regeneration of myelin in multiple sclerosis, T166, D166, D167
Fine structural alterations in brains of aged mice, T145
— structural localization of two hydrolytic enzymes in the cerebellum of children with lipidoses, *76
— structure changes in muscle biopsies from patients with acute myoglobinuria, T148
— structure of the basilar artery, T172
— structure of the rod-like bodies in nemaline myopathy and their relation to the Z-discs, *409
— structure of spongy degeneration of the central nervous system (van Bogaert and Bertrand type), *598
Fishman, R. A., see Raskin, N. H., T151
Fox, J. L., see Lampert, P. W., T152, *531
French, L. A., see Long, D. M., *373
Friede, R. L., the histochemical architecture of the Ammon's horn as related to its selective vulnerability, T133, D134,
—, see Roessmann, T., T136, D136
Fullerton, P. M., chronic peripheral neuropathy produced by lead poisoning in guinea-pigs, *214
Further electron microscopic observations on the mechanism of demyelination in experimental allergic encephalomyelitis, T162

Garro, F., P. Schweda, and A. Pentschew, susceptibility to lead poisoning of rat's brain during the postnatal period, T124
Geer, J. C., see Moossy, J., T172
Gilles, F. H., pigment accumulation in the globus pallidus in childhood, T138, D139 — D144
Gliofibrillar degeneration in the senile brain, T173
Glioma, chondroma arising within a mixed, *667
Globus pallidus, pigment accumulation in the, in childhood, T138
Glucose-6-phosphate and 6-phosphogluconic dehydrogenases of myelinating culture, a histochemical study of, T173
Goldstein, F., and J. J. Kepes, the role of traction in the development of the Arnold-Chiari malformation, an experimental study, *654
Goldthioglucose treatment, electron microscopic observations of early changes in the mouse brain following, T137
Gonatas, N. K., the fine structure of the rod-like bodies in nemaline myopathy and their relation to the Z-discs, *409
— mental retardation, cortical blindness and convulsions associated with abnormal neocortical presynaptic terminals, T144, D145
— the significance of "pale" neurons in human cortical biopsies, an electron microscopic study, *637
— subacute sclerosing leukoencephalitis: electron microscopic and cytochemical observations on a cerebral biopsy, *177
Gregoire, A., O. Perier, and P. Dustin, metachromatic leukodystrophy, an electron microscopic study, *617
Group B. arboviruses, monkey neurovirulence of: a semiquantitative histological study, T122

Hamberger, A., and L. Rinder, experimental brain concussion: the early effect of sudden increase in intracranial pressure on the succinoxidase activity of isolated neurons and glial cells from the lateral vestibular nucleus of the rabbit, *68
Harter, D. H., see Tellez-Nagel, I., *560
Hartmann, H. A., quantitative nerve cell hypertrophy after iminodipropionitrile: an x-ray microradiographic study, T136
—, see Slagel, D. E., *244
Hartmann, J. F., see Long, D. M., *373
Hassler, O., incorporation of tritiated thymidine into mouse brain after a single dose of x-rays, an autoradiographic study, *97
Hedley-Whyte, E. T., B. P. Smith, H. R. Tyler, and W. P. Peterson, multifocal leukoencephalopathy with remission and five year survival, *107
Herzog, I., W. A. Levy, and L. C. Scheinberg, ultrastructural studies of tumor homograft rejection in the mouse brain, T156
—, see Scheinberg, L. C., *202
—, see Taylor, J. M., T154
Hirano, A., see Levine, S., T160
—, H. M. Zimmerman, and S. Levine, reaction of ependyma to cryptococcal polysaccharide implantation, T152, D152
Histochemical architecture of the Ammon's horn as related to its selective vulnerability, T133
— and quantitative studies of enzymes in denervated skeletal muscle, T147
— study of glucose-6-phosphate and 6-phosphogluconic dehydrogenases of myelinating cultures, T173
Histopathology of the cerebellum, medulla, and labyrinth of zenopus laevis after high doses of total-body acute irradiation, *296
Hogan, E. L., D147
—, see Romanul, F. C. A., T147
Holtzman, E., see Novikoff, A. B., T130
Human cerebral edema, the ultrastructure of, *373
— cortical biopsies, the significance of "pale" neurons in, an electron microscopic study, *637
— fetal spongioblasts and astrocytes in dispersed cell cultures, interaction of a tumor virus (SV 40) with, T160

— fetus near term, cerebral infarction in, *479
— organ transplantation, neuropathological features of. II. central pontine myelinolysis and neuroaxonal dystrophy, *18
— Purkinje cells, the tetraploid DNA content of normal, and its development during the period of postnatal maturation of the cerebellum: a quantitative study, T131
— rabies encephalitis: a review of 59 fatal cases, T123
Huntington, H., and R. Terry, the origin of the reactive cells in cerebral stab wounds, *646
Hurlebaus, A., see Koenig, H., T172
Hydrolase cytochemistry of retrograde neuronal degeneration in feline lateral geniculate body, with observations on the identification of multiple forms of neural hydrolases having overlapping substrate affinities, *443
Hyperacute allergic encephalomyelitis: an experimental model for acute necrotizing hemorrhagic encephalopathy, T160
Hypersensitivity to infection, inflammation and immunity, the relationship of, *1, T161
Hypoxic damage, cerebral, in the human fetus in the prenatal period, T122

Ibrahim, M. Z. M., see Levine, S., T160
Iminodipropionitrile, the effect of, on the ribonucleic acid content and composition of mesencephalic V cells, anterior horn cells, glial cells, and axonal balloons, *244
Immunoglobulins in multiple sclerosis white matter, T167
Incorporation of tritiated thymidine into mouse brain after a single dose of x-rays, an autoradiographic study, *97
Interaction of a tumor virus (SV 40) with human fetal spongioblasts and astrocytes in dispersed cell cultures, T160
Intracarotid hypaque, responses to, in rabbits with and without low molecular weight dextran, *283
Intracranial pressure, the early effect of sudden increase in, on the succinoxidase activity of isolated neurons and glial cells from the lateral vestibular nucleus of the rabbit: experimental brain concussion, *68
In vitro destruction of skeletal muscle by sensitized cells, T148
Irradiation, histopathology of the cerebellum, medulla, and labyrinth of xenopus laevis after high doses of total-body acute, *296
Iwanami, H., see Yonezawa, T., *362
Iyengar, V. K. S., see Roizin, L., T131

Jakob-Creutzfeldt disease, chemical studies on, *369

Kakulas, B. A., in vitro destruction of skeletal muscle by sensitized cells, T148, D149
Kamoshita, S., see Aguilar, M. J., *507
Kaplan, H., see Volk, B. W., T143
—, see Wallace, B. J., *76
Katzman, R., D154
Kaufman, M. A., see Roizin, L., T131
Kelenyi, G., D128, D130
Kinky hair disease. I. clinical and pathological features, *507
— II. biochemical studies, *523
Klatzo, I., and O. Steinwall, observations on behaviour of the blood-brain barrier and the cerebrospinal fluid pathways in sharks, T154, D154
—, see Steinwall, O., *542
Koenig, H., D134, D140, D142
—, and A. Hurlebaus, biochemical and cytochemical studies of neutral red uptake into brain, T172
Konigsmark, B. W., see Weiner, L. P., T120

Laing, I. R., see Clasen, R. A., T169
Lampert, P. W., D119, D125, D146
—, further electron microscopic observations on the mechanism of demyelination in experimental allergic encephalomyelitis, T162, D163
—, J. L. Fox, and K. M. Earle, cerebral edema after Laser radiation: an electron microscopic study, T152, D153, *531
Lapham, W. L., the tetraploid DNA content of normal human Purkinje cells and its development during the period of postnatal maturation of the cerebellum: a quantitative cytochemical study, T131, D132
Laser radiation, cerebral edema after. an electron microscopic study, T152, *531
Lead poisoning, susceptibility to, of rat's brain during the postnatal period, T124
Lee, J. C., D147, D154, D171
—, and L. Bakay, electron microscopic observations on human perifocal cerebral edema, T156
—, see Böhme, D., *311
Lehrer, G., D134, D140, D154, D165
Leukodystrophy, metachromatic, an electron microscopic study, *617
Leukoencephalitis, subacute sclerosing. I. clinicopathological, electron microscopic and virological observations, *560
—, subacute sclerosing. II. chemical studies: including abnormal myelin and an abnormal ganglioside pattern, *582
—, subacute sclerosing: electron microscopic and cytochemical observations on a cerebral biopsy, *177
Leukoencephalopathy, acute hemorrhagic, following cat scratch disease, T121
—, multifocal, with remission and five year survival, *107
Leventhal, C. M., D129
Levine, S., D165
— epidermoid cysts of the spinal cord. a spontaneous disease of rats, *498

— see Hirano, A., T152
—, M. Z. M. Ibrahim, A. Hirano and H. M. Zimmerman, hyperacute allergic encephalomyelitis: an experimental model for acute necrotizing hemorrhagic encephalopathy, T160, D161
Levy, W. A., see Herzog, I., T156
Lockard, I., see Whetsell, W. O., *283
Long, D. M., J. F. Hartmann, and L. A. French, the ultrastructure of human cerebral edema, *373
Luse, S., and V. Suntzeff, fine structural alterations in brains of aged mice, T145, D146
Lycette, R. M., see Clasen, R. A., T169
Lysosomes and x-ray necrobiosis in the CNS (histologic, histochemical and electron microscope correlates), T131
— in nerve degeneration and regeneration, T130

McArdle's disease, ultrastructural studies of muscle in: (deficiency of muscle phosphorylase), T146
McDonald, L. W., and G. P. Welch, role of immunity in brain radionecrosis, T169
McDonald, T. F., and H. Koenig, ultrastructural changes in neuron lysosomes induced by in vivo staining with neutral red, T130
McGrath, J. T., D120
Magladery, J. W., see Weiner, L. P., T120
Malamud, N., neuropathology of phenylketonuria, *254
Mammalian CNS tissue, structural and functional alterations in cultured, as related to the demyelinative disorders, T163
Mandell, S., see Scheinberg, L. C., *202
Manterola, A., see Towbin, A., T122
—, A. Towbin, and P. I. Yakovlev, cerebral infarction in the human fetus near term, *479
Mast cells, reaction of, identified in the rabbit brain, T130
Mayo, G. M., and K. D. Barron, striatonigral degeneration, T172
Metachromatic leukodystrophy, an electron microscopic study, *617
— leukodystrophy, biopsy study in cases of, T141
— leukodystrophy (MLD), patterns of sulphatase deficiency in 4 patients: histochemical and biochemical correlations, T139
Mental retardation, cortical blindness and convulsions associated with abnormal neocortical presynaptic terminals, T144
Mesenchymal components of peripheral nerves, an electron microscopic study, T157
Microscopic observations of pial vessels during acute elevations of blood pressure, T125
Miller, A. A., and F. Ramsden, a cerebral neuroblastoma with unusual fibrous tissue reaction, *328
Monkey neurovirulence of group B arboviruses: a semiquantitative histological study, T122
Moore, M. T., and M. H. Book, cerebral segmental nodular phlebitis, T117, D117, D118, *269
Moossy, J., neuropathology of Cockayne's syndrome, T118, D118
—, and J. C. Geer, fine structure of the basilar artery, T172
Mori, A., and J. H. Perry, electron microscopic observations of early changes in the mouse brain following goldthioglucose-treatment, T137
Multifocal leukoencephalopathy with remission and five year survival, *107
Multiple sclerosis, regeneration of myelin in, T166
— sclerosis white matter, immunoglobulins in, T167
Murray, M. R., D158, D159
Muscle disease, ultrastructural studies of ring fibers in human, *431
Mycoplasmosis, experimental, the neuropathology of, in mice, T126
Myelin sheaths, a chemical basis for the staining of, by luxol fast blue techniques, T169
Myeloma and dementia, cortical degeneration associated with, *489
Myxedema and thyrotoxicosis, experimental, brain permeability, ion transfer and "spaces" in, T151

Nathanson, N., D124
—, M. Davis, and W. H. Price, monkey neurovirulence of group B arboviruses: a semiquantitative histological study, T122
Necrosis, skeletal muscle, secondary to calvacin, T149
Nelson, E., D121, D146, D155
—, J. S., R. M. Woolsey, and G. O. Broun, Jr., cortical degeneration associated with myeloma and dementia, *489
Nemaline myopathy, the fine structure of the rod-like bodies in, and their relation to the Z-discs, *409
Nerve cell hypertrophy, quantitative, after iminodipropionitrile: an x-ray microradiographic study, T136
— degeneration and regeneration, lysosomes in, T130
— response to triethyl tin intoxication, optic and peripheral, in the rabbit: biochemical and ultrastructural studies, *202
Nerves of the voluntary muscle, pathology, of, T150
Nervous system, amyloid of, T128
Neumann, M. A., and R. Cohn, a rare form of slowly progressive "presenile" dementia, T121
Neuroaxonal dystrophy in congenital biliary atresia, T188, *341
Neuroblastoma, cerebral, with unusual fibrous tissue reaction, *328

"Neurofibromas", electron microscopy of the tumor cells in, T158
Neuronal degeneration, retrograde, cytochemistry and fine structure of, T135
— degeneration, retrograde, hydrolase cytochemistry of, in feline lateral geniculate body, with observations on the identification of multiple forms of neural hydrolases having overlapping substrate affinities, *443
Neuron lysosomes, ultrastructural changes in, induced by in vivo staining with neutral red, T130
Neuropathological features of human organ transplantation. II. central pontine myelinolysis and neuroaxonal dystrophy, *18
Neuropathology of an experimental mycoplasmosis in mice, T126
— of Cockanye's syndrome, T118
— of barbiturate intoxication, *237
— of phenylketonuria, *254
Neuropathy, chronic peripheral, produced by lead poisoning in guinea-pigs, *214
Neurotoxicity of ethambutol and its racemate for the rhesus monkey, studies on, *40
Norton, W. T., S. E. Poduslo, and K. Suzuki, subacute sclerosing leukoencephalitis. II. chemical studies: including abnormal myelin and an abnormal ganglioside pattern, *582
Novikoff, A. B., D135, D136, D137, D140, D143, D157
—, and E. Holtzman, lysosomes in nerve degeneration and regeneration, T130

O'Brien, J. S., D119, D140, D142
—, and E. L. Sampson, kinky hair disease. II. biochemical studies, *523
Observations on behaviour of the blood-brain barrier and the cerebrospinal fluid pathways in sharks, T153
Ohuyama, I., see Aguilar, M. J., *507
Oldershaw, J. B., see Barron, K. D., T135
—, see Barron, K. D., *443
Olivopontocerebellar degeneration with pigmentary disease of the retina: report of a family through six generations, T120
Ophthalmoplegia, cancer metastasis in superior and inferior internuclear, T171
Optic and peripheral nerve response to triethyltin intoxication in the rabbit: biochemical and ultrastructural studies, *202
Origin of the reactive cells in cerebral stab wounds, *646

Pandolfi, S., see Clasen, R. A., T169
Parker, J. A., see Tourtellotte, W. W., T167
Pathology of the nerves of the voluntary muscle, T150
Patterns of sulphatase deficiency in 4 patients with metachromatic leukodystrophy (MLD): histochemical and biochemical correlations, T139
Pentschew, A., D125, D126
—, see Garro, F., T124
Périer, O., see Grégoire, A., *617
Peripheral nerves, the mesenchymal components of, an electron microscopic study, T157
Perry, J. H., D138
—, see Mori, A., T137
Peters, H. J., D138, D166, D169
Peterson, W. P., see Hedley-Whyte, E. T., *107
Phenylketonuria, neuropathology of, *254
Phlebitis, cerebral segmental nodular, T117, *269
Pigment accumulation in the globus pallidus in childhood, T138
Pigmentary disease of the retina, olivopontocerebellar degeneration with: report of a family through six generations, T120
Pineda, A., electron microscopy of the tumor cells in "neurofibromas", T158, D158
Poduslo, S. E., see Norton, W. T., *582
Popoff, N., see Feigin, I., T166
Presidential address, *1, T161
Price, W. H., see Nathanson, N., T122

Quantitative nerve cell hypertrophy after iminodipropionitrile; an x-ray microradiographic study, T136

Radionecrosis, role of immunity in brain, T169
— of murine striated muscle, studies on, T150
Ramsden, F., see Miller, A. A., *328
Rare form of slowly progressive "presenile" dementia, T121
Raskin, N. H., and R. A. Fishman, brain permeability, ion transfer and "spaces" in experimental myxedema and thyrotoxicosis, T151, D151
Ravens, J. R., D157, D159
— gliofibrillar degeneration in the senile brain, T173
Reaction of ependyma to cryptococcal polysaccharide implantation, T152
— of mast cells identified in the rabbit brain, T130
Reactive cells, the origin of, in cerebral stab wounds, * 646
Regeneration of myelin in multiple sclerosis, T166
Reilly, E. B., see Slager, U. T., *237
Reiniers, J., see Scharenberg, K., T150
Response of the reticuloendothelial system of inbred resistant and susceptible mice in the pathogenesis of allergic encephalomyelitis, *311
Responses to intracarotid hypaque in rabbits with and without low molecular weight dextran, *283
Reticuloendothelial system, the response of the, of inbred resistant and susceptible mice in the pathogenesis of allergic encephalomyelitis, *311

Rinder, L., see Hamberger, A., *68
Roessman, U., and R. L. Friede, early enzyme histochemical changes following transection of dorsal spinal funiculi, T136
Roizin, L., D124, D125, D144
—, M. A. Kaufman, R. Rugh, and V. K. S. Iyengar, lysosomes and x-ray necrobiosis in the CNS (histological, histochemical and electron microscope correlates), T131
Role of immunity in brain radionecrosis, T169
— traction in the development of the Arnold-Chiari malformation. an experimental study, *654
Romanul, F. C. A., E. L. Hogan, and D. M. Dawson, histochemical and quantitative studies of enzymes in denervated skeletal muscle, T147
Rosenblum, W. I., D125, D127, D135, D147, D165
—, and H. Donnenfeld, microscopic observations of pial vessels during acute elevations of blood pressure, T125, D126
Rowland, L. P., D148
—, see Schotland, D. L., T146
Rubenstein, L. J., D126
Rugh, R., see Roizin, L., T131

Sampson, E. L., see O'Brien, J. S., *523
Scharenberg, K., and J. Reimers, pathology of the nerves of the voluntary muscle, T150
Scheinberg, L. C., see Herzog, I., T156
—, see Taylor, J. M., T154
—, J. M. Taylor, I. Herzog, and S. Mandell, optic and peripheral nerve response to triethyltin intoxication in the rabbit; biochemical and ultrastructural studies, *202
Schlote, W., behavior of blastomatous astrocytes in the human cerebral white matter, an electron microscopic study, T173
Schmidt, I. G., and L. H. Schmidt, studies on the neurotoxicity of ethambutol and its racemate for the rhesus monkey, *40
Schmidt, L. H., see Schmidt, I. G., *40
Schneck, L., see Adachi, M., *598
—, see Volk, B. W., T143
—, see Wallace, B. J., *76
Schneck, S. A., neuropathological features of human organ transplantation. II. central pontine myelinolysis and neuroaxonal dystrophy, *18
Schneider, H. A., see Böhme, D., *311
Schotland, D. L., D. Spiro, and P. Carmel, ultrastructural studies of ring fibers in human muscle disease, *431
—, D. Spiro, P. Carmel, and L. P. Rowland, ultrastructural studies of muscle in McArdle's disease: (deficiency of muscle phosphorylase), T146
Schutta, H. S., fine structure changes in muscle biopsies from patients with acute myoglobinuria, T148
Schwartz, P., D123, D126, D134, D145
—, amyloid of the nervous system, T128, D129
Schweda, P., see Garro, F., T124
Selective vulnerability of the blood-brain barrier in chemically induced lesions, *542
Senile brain, gliofibrillar degeneration in the, T173
Sheff, M. F., see Zacks, S. I., *422
Shein, H. M., interaction of a tumor virus (SV 40) with human fetal spongioblasts and astrocytes in dispersed cell cultures, T160
Significance of "pale" neurons in human cortical biopsies. an electron microscopic study, *637
Silberman, J., L. Deza, and J. Zaidman, acute hemorrhagic leukoencephalopathy following cat scratch disease, T121, D121
Siqueira, E. B., and P. C. Bucy, chondroma arising within a mixed glioma, *667
Skeletal muscle, in vitro destruction of, by sensitized cells, T148
Skeletal muscle necrosis secondary to calvacin, T149
Slagel, D. E., see Wilson, C., T156
—, H. E. Hartmann, and J.-E. Edström, the effect of iminodipropionitrile on the ribonucleic acid content and composition of mesencephalic V cells, anterior horn cells, glial cells, and axonal balloons, *244
Slager, U. T., E. B. Reilly, and R. A. Brandt, the neuropathology of barbiturate intoxication, *237
Smith, B. P., see Hedley-Whyte, E. T., *107
Song, S. K., see Anderson, P. J., T149
Spinal cord, epidermoid cysts of: a spontaneous disease of rats, *498
Spiro, D., see Schotland, D. L., T146
—, see Schotland, D. L., *431
Spongy degeneration of the central nervous system (van Bogaert and Bertrand type), fine structure of, *598
Stadlan, E. M., see Sung, J. H., T118, *341
Standler, S., D148
Steegmann, A. T., D155
Steinwall, O., and I. Klatzo, selective vulnerability of the blood-brain barrier in chemically induced lesions, *542
—, see Klatzo, I., T153
Stoll, J., see Weiner, L. P., T120
Storage diseases, an ultramicroscopic study of morphology and enzyme localization in the cerebellum of some, T143
Striato-nigral degeneration, T172
Structural and functional alterations in cultured mammalian CNS tissue as related to the demyelinative disorders, T163
Studies on radionecrosis of murine striated muscle, T150
— on tetanus. V. in vivo localization of purified tetanus neurotoxin in mice with fluorescein-labelled tetanus antitoxin, *422
— on the neurotoxicity of ethambutol and its racemate for the rhesus monkey, *40

Subacute sclerosing leukoencephalitis. I. clinico-pathological, electron microscopic and virological observations, *560
— sclerosing leukoencephalitis. II. chemical studies, including abnormal myelin and an abnormal ganglioside pattern, *582
— sclerosing leucoencephalitis: electron microscopic and cytochemical observations on a cerebral biopsy, *177
Sung, J. H., D139
—, and E. M. Stadlan, neuroaxonal dystrophy in congenital biliary atresia, T114, D120, *341
Suntzeff, V., see Luse, S., T145
Susceptibility to lead poisoning of rat's brain during the postnatal period, T124
Suzuki, K., D129, D168
—, see Norton, W. T., *582
—, see Terry, R. C., T141
—, and G. Chen, chemical studies on Jakob-Creutzfeldt disease, *396

Taylor, J. M., I. Herzog, and L. C. Scheinberg, comparative effect of triethyltin sulfate on the optic nerve and peripheral nerves in rabbit, T154, D155
—, see Scheinberg, L. C., *202
Tellez-Nagel, I., and D. H. Harter, subacute sclerosing leukoencephalitis. I. clinico-pathological, electron microscopic and virological observations, *560
Terry, R., D128, D143
—, see Huntington, H. W., *546
—, K. Suzuki, and M. Weiss, biopsy study in 3 cases of metachromatic leukodystrophy, T141, D142
Tetanus, studies on. V. in vivo localization of purified tetanus neurotoxin in mice with fluorescein-labelled tetanus antitoxin, *122
Tetraploid DNA content of normal human Purkinje cells and its development during the period of postnatal maturation of the cerebellum: a quantitative cytochemical study, T131
Thiamine deficiency, an experimental study of, in nervous tissue, using tissue culture technics, *362
Thomas, L., see Aleu, F., T126
Thyrotoxicosis, brain permeability, ion transfer and "spaces" in experimental myxedema, T151
Tourtellotte, W. W., and J. A. Parker, immunoglobulins in multiple sclerosis white matter, T167, D168
Towbin, A., see Manterola, A., *479
—, A. Manterola, and P. I. Yakovlev, cerebral hypoxic damage in the human fetus in the prenatal period, T122, D123
Transection of dorsal spinal funiculi, early enzyme histochemical changes following, T136
Treip, C. S., and G. DiVita, histopathology of the cerebellum, medulla, and labyrinth of xenopus laevis after high doses of total-body acute irradiation, *296
Triethyltin sulfate, comparative effect of, on the optic nerve and peripheral nerves in rabbit, T154
Tritiated thymidine, incorporation of, into mouse brain after a single dose of x-ray, *97
Tumor homograft rejection in the mouse brain, ultrastructural studies of, T156
Tumor virus (SV 40), interaction of a, with human fetal spongioblasts and astrocytes in dispersed cell cultures, T160
Tumors of the central nervous system in monolayer tissue culture, T156
Tyler, H. R., see Hedley-Whyte, E. T., *107

Ultramicroscopic study of morphology and enzyme localization in the cerebellum of some storage diseases, T143
Ultrastructural changes in neuron lysosomes induced by in vivo staining with neutral red, T130
— studies of muscle in McArdle's disease: (deficiency of muscle phosphorylase), T146
— studies of ring fibers in human muscle disease, *431
— studies of tumor homograft rejection in the mouse brain, T156
Ultrastructure of human cerebral edema, *373

Volk, B. S., D145
—, see Adachi, M., *598
—, see Wallace, B. J., *76
—, B. J. Wallace, L. Schneck, and H. Kaplan, an ultramicroscopic study of morphology and enzyme localization in the cerebellum of some storage diseases, T143

Wachstein, M., see Böhme, D., *311
Wallace, B. J., see Adachi, M., *598
—, see Volk, B. W., T143
—, B. W. Volk, L. Schneck and H. Kaplan, fine structural localization of two hydrolytic enzymes in the cerebellum of children with lipidoses, *76
Webster, H. deF., D164
Weiner, L. P., B. W. Konigsmark, J. Stoll, and J. W. Magladery, olivopontocerebellar degeneration with pigmentary disease of the retina: report of a family through six generations, T120
Weiss, M., see Terry, R., T141
Welch, G. P., see McDonald, L. W., T169
Whetsell, W. O., and I. Lockard, responses to intracarotid hypaque in rabbits with and without low molecular weight dextran, *283
White matter, cerebral edema and the normal water content of, T153
Wilson, C., M. Barker, and D. E. Slagel, tumors of the central nervous system in monolayer tissue culture, T156
Windle, W. F., D144, D146
Woolsey, R. M., see Nelson, J. S., *489

X-ray necrobiosis, and lysosomes in the CNS (histologic, histochemical and electron microscope correlates), T131

Yakovlev, P. I., see Manterola, A., *479
—, see Towbin, A., T122
Yonezawa, T., a histochemical study of glucose-6-phosphate and 6-phosphogluconic dehydrogenases of myelinating cultures, T173
—, and H. Iwanami, experimental study of thiamine deficiency in nervous tissue, using tissue culture technics, *362

Zacks, S. I., D149
—, and M. F. Sheff, studies on tetanus. V. in vivo localization of purified tetanus neurotoxin in mice with fluorescein-labelled tetanus antitoxin, *422
Zaidman, J., see Silberman, J., T121
Zeman, W., studies on radionecrosis of murine striated muscle, T150
—, see Donahue, S., T171
Zimmerman, H. M., see Hirano, A., T152
—, see Levine, S., T160
ZuRhein, G. M., D119, D160, D161